

CLAIMS

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AC
1. An organic emulsion-breaking formulation, characterized in that it comprises:
 - as the emulsion-breaking agent, at least one constituent selected from non-ionic amphiphilic compositions obtained by reacting at least one polymerized vegetable oil with at least one amino-alcohol, and alkyl esters of fatty acids derived from natural, vegetable or animal oils;
 - optionally, at least one wetting agent selected from anionic surfactants;
 - and optionally, at least one solvent;
 the assembly being as a mixture in an organic base.
 - 10 2. A formulation according to claim 1, characterized in that:
 - said emulsion-breaking agent is present in a proportion of 0.5% to 100% by weight of pure surfactant; and
 - said wetting agent is present in a proportion of up to 50% by weight of pure surfactant;
 - 15 • said solvent is present in a proportion of up to 99.5% by weight;
 the ensemble having a concentration of pure active matter of 0.01 to 50 g per 100 ml of said organic base.
 - 20 3. A formulation according to claim 1 or claim 2, characterized in that said emulsion-breaking agent comprises at least one non-ionic amphiphilic composition obtained by reacting polymerized linseed oil with diethanolamine.
 4. A formulation according to any one of claims 1 to 3, characterized in that said emulsion-breaking agent comprises at least a mixture of methyl esters of rapeseed oil.

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13. A formulation according to claim 12, characterized in that the viscosifying agent is selected from organosoluble acrylic resins that are cross-linked to a greater or lesser extent.
14. A formulation according to claim 12 or claim 13, characterized in that said weighting agent is selected from calcium carbonates of different grain sizes.
15. A formulation according to any one of claims 12 to 14, characterized in that it further comprises up to 5%, preferably up to 2% with respect to the organic base, of at least one dispersing agent.
16. A formulation according to claim 15, characterized in that said dispersing agent is selected from hydroxy-functionalized carboxylic acid esters the functional groups of which have affinities with the pigments used in paint formulations.
17. Use of an emulsion-breaking formulation in an organic base according to any one of claims 1 to 16, for the treatment of a well bore drilled in an oil-base mud.
18. The use of an emulsion-breaking formulation in an organic base according to any one of claims 12 to 16 in any well phase that requires a fluid having the same density as the mud used to drill the well bore.

Add A3

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